(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
8 February 2001 (08.02.2001)

PCT

(10) International Publication Number
WO 01/09562 A1

(51) International Patent Classification[7]: F41H 3/00, B63G 13/02

(21) International Application Number: PCT/AU00/00894

(22) International Filing Date: 26 July 2000 (26.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PQ 1894 28 July 1999 (28.07.1999) AU

(71) Applicant *(for all designated States except US)*: **TENIX DEFENCE SYSTEMS PTY LTD** [AU/AU]; Nelson House, Nelson Place, Williamstown, VIC 3016 (AU).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **STAFFORD, Philip, K.** [AU/AU]; 11 Tintern Mews, Cheltenham, VIC 3192 (AU).

(74) Agent: MCMASTER OBERIN ARTHUR ROBINSON & HEDDERWICKS; Stock Exchange Centre, 530 Collins Street, Melbourne, VIC 3000 (AU).

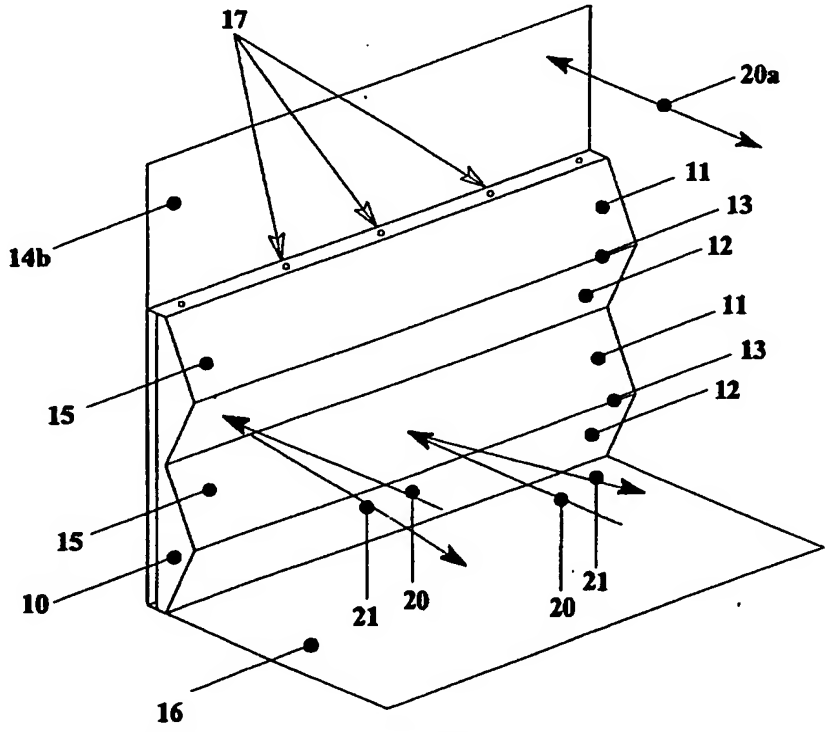
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *With international search report.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RETROFITTING VESSELS TO DEFLECT RADAR SIGNALS



(57) Abstract: The radar signature of a vessel is reduced by retrofitting it with an array (10) of elements (15) fastened to surfaces (14b) f the vessel. The elements (15) have planar faces (11-12) so oriented that incident radar signal (20) is reflected away from its angle of incidence.

WO 01/09562 A1